

## AMENDMENTS TO THE CLAIMS

**1. (Currently Amended)** A medical information system comprising:

a patient server ~~that can~~operable to receive vital information, retain the received vital information, and transmit the retained vital information; ~~and~~

a medical care provider server connected to ~~the said~~ patient server through a first network, ~~the said~~ medical care provider server being ~~capable of retaining~~operable to receive the vital information from said patient server through the first network, retain the received vital information, received from the patient server through the first network and allowing allow the retained vital information to be browsed;

a patient terminal connected to said patient server through a second network, said patient terminal being operable to transmit the vital information to said patient server through the second network; and

a doctor terminal connected to said medical care provider server through a third network, said doctor terminal being operable to browse the vital information retained in said medical care provider server through the third network.

**2. (Cancelled)**

**3. (Currently Amended)** A medical information system according to ~~claim 2~~claim 1, further comprising a sensor for measuring vital data, wherein the vital information includes a measurement value by ~~the said~~ sensor.

**4. (Currently Amended)** A medical information system according to ~~claim 2~~claim 1, wherein:

~~the said~~ doctor terminal ~~can~~is operable to transmit an inquiry regarding a health status of a patient to ~~the said~~ medical care provider server through the third network;

~~wherein the said~~ medical care provider server ~~can~~is operable to transmit the inquiry received from ~~the said~~ doctor terminal to ~~the said~~ patient server through the first network;

~~wherein the~~said patient server ~~can~~is operable to transmit the inquiry received from ~~the~~said medical care provider server to ~~the~~said patient terminal through the second network;<sub>;</sub> and

~~wherein the~~ vital information transmitted from ~~the~~said patient terminal to ~~the~~said patient server through the second network includes a reply to the inquiry transmitted to ~~the~~said patient terminal.

**5. (Currently Amended)** A medical information system according to ~~claim 2~~claim 1, further comprising:

a first unauthorized access prevention section provided in the first network;  
a second unauthorized access prevention section provided in the second network;

and

a third unauthorized access prevention section provided in the third network,  
wherein ~~the~~said first and third unauthorized access prevention sections have higher security levels than ~~that a security level of the~~said second unauthorized access prevention section.

**6. (Currently Amended)** A medical information system according to claim 5,  
wherein:

~~the~~said first unauthorized access prevention section ~~is provided with~~comprises a firewall and a virtual private network;<sub>;</sub>

~~wherein the~~said second unauthorized access prevention section ~~is provided with~~comprises a remote access server;<sub>;</sub> and

~~wherein the~~said third unauthorized access prevention section ~~is provided with~~comprises a terminal authentication server.

**7. (Currently Amended)** A medical information system according to ~~claim 2~~claim 1, wherein ~~the~~said patient server and ~~the~~said medical care provider server are respectively clustered.

**8. (Currently Amended)** A medical information system comprising:

a plurality of patient servers ~~that can~~operable to receive vital information, retain the received vital information, and transmit the retained vital information;

a medical care provider server connected to ~~the~~said plurality of patient servers through a first network, ~~the said~~ medical care provider server being ~~capable of retaining~~operable to receive the vital information from said plurality of patient servers through the first network, retain the received vital information, received from the patient servers through the first network and allowing allow the retained vital information to be browsed;

a plurality of patient terminals respectively connected to ~~the~~said plurality of patient ~~server~~servers through a second network, ~~the said~~ patient terminals being ~~capable of transmitting~~operable to transmit the vital information to the ~~said~~ patient server through the second network; and

a doctor terminal connected to ~~the~~said medical care provider server through a third network, ~~the said~~ doctor terminal being ~~capable of browsing~~operable to browse the vital information retained in ~~the~~said medical care provider server through the third network.

**9. (Currently Amended)** A medical information system comprising:

a patient server ~~that can~~operable to receive vital information, retain the received vital information, and transmit the retained vital information;

a plurality of medical care provider servers respectively connected to ~~the~~said patient server through a first network, ~~the said~~ medical care provider servers being ~~capable of retaining~~operable to receive the vital information from said patient server through the first network, retain the received vital information, received from the patient server through the first network and allowing allow the retained vital information to be browsed;

a patient terminal connected to ~~the~~said patient server through a second network, ~~the said~~ patient terminal being ~~capable of transmitting~~operable to transmit the vital information to the ~~said~~ patient server through the second network; and

a plurality of doctor terminals respectively connected to ~~the~~said plurality of medical care provider servers through a third network, ~~the said~~ plurality of doctor

terminals being ~~capable of browsing~~ operable to browse the vital information retained in the said medical care provider servers through the third network.

10. (New) A medical information system according to claim 8, wherein said plurality of patient terminals include a sensor for measuring vital data, and the vital information includes a measurement value by said sensor.

11. (New) A medical information system according to claim 8, wherein:  
said doctor terminal is operable to transmit an inquiry regarding a health status of a patient to said medical care provider server through the third network;  
said medical care provider server is operable to transmit the inquiry received from said doctor terminal to at least one of said patient servers through the first network;  
said at least one patient server is operable to transmit the inquiry received from said medical care provider server through the second network to a corresponding one of said plurality patient terminals connected to said at least one patient server; and  
the vital information transmitted from said corresponding one of said patient terminals to said at least one patient server through the second network includes a reply to the inquiry transmitted to said corresponding one of said patient terminals.

12. (New) A medical information system according to claim 8, further comprising:  
a first unauthorized access prevention section provided in the first network;  
a second unauthorized access prevention section provided in the second network;  
and  
a third unauthorized access prevention section provided in the third network,  
wherein said first and third unauthorized access prevention sections have higher security levels than a security level of said second unauthorized access prevention section.

13. (New) A medical information system according to claim 12, wherein:  
said first unauthorized access prevention section comprises a firewall and a virtual private network;

said second unauthorized access prevention section comprises a remote access server; and

said third unauthorized access prevention section comprises a terminal authentication server.

**14. (New)** A medical information system according to claim 9, wherein said patient terminal includes a sensor for measuring vital data, and the vital information includes a measurement value by said sensor.

**15. (New)** A medical information system according to claim 9, wherein:

said plurality of doctor terminals are each operable to transmit an inquiry regarding a health status of a patient through the third network to a respective one of said plurality of medical care provider servers to which said plurality of doctor terminals are connected;

said plurality of medical care provider servers are each operable to transmit the inquiry received from a corresponding one of said plurality of doctor terminals connected thereto to said patient server through the first network;

said patient server is operable to transmit each inquiry received from said medical care provider servers to said patient terminal through the second network; and

the vital information transmitted from said patient terminal to said patient server through the second network includes a reply to the inquiry transmitted to said patient terminal.

**16. (New)** A medical information system according to claim 9, further comprising:

a first unauthorized access prevention section provided in the first network;

a second unauthorized access prevention section provided in the second network;

and

a third unauthorized access prevention section provided in the third network,

wherein said first and third unauthorized access prevention sections have higher security levels than a security level of said second unauthorized access prevention section.

17. (New) A medical information system according to claim 16, wherein:
- said first unauthorized access prevention section comprises a firewall and a virtual private network;
  - said second unauthorized access prevention section comprises a remote access server; and
  - said third unauthorized access prevention section comprises a terminal authentication server.